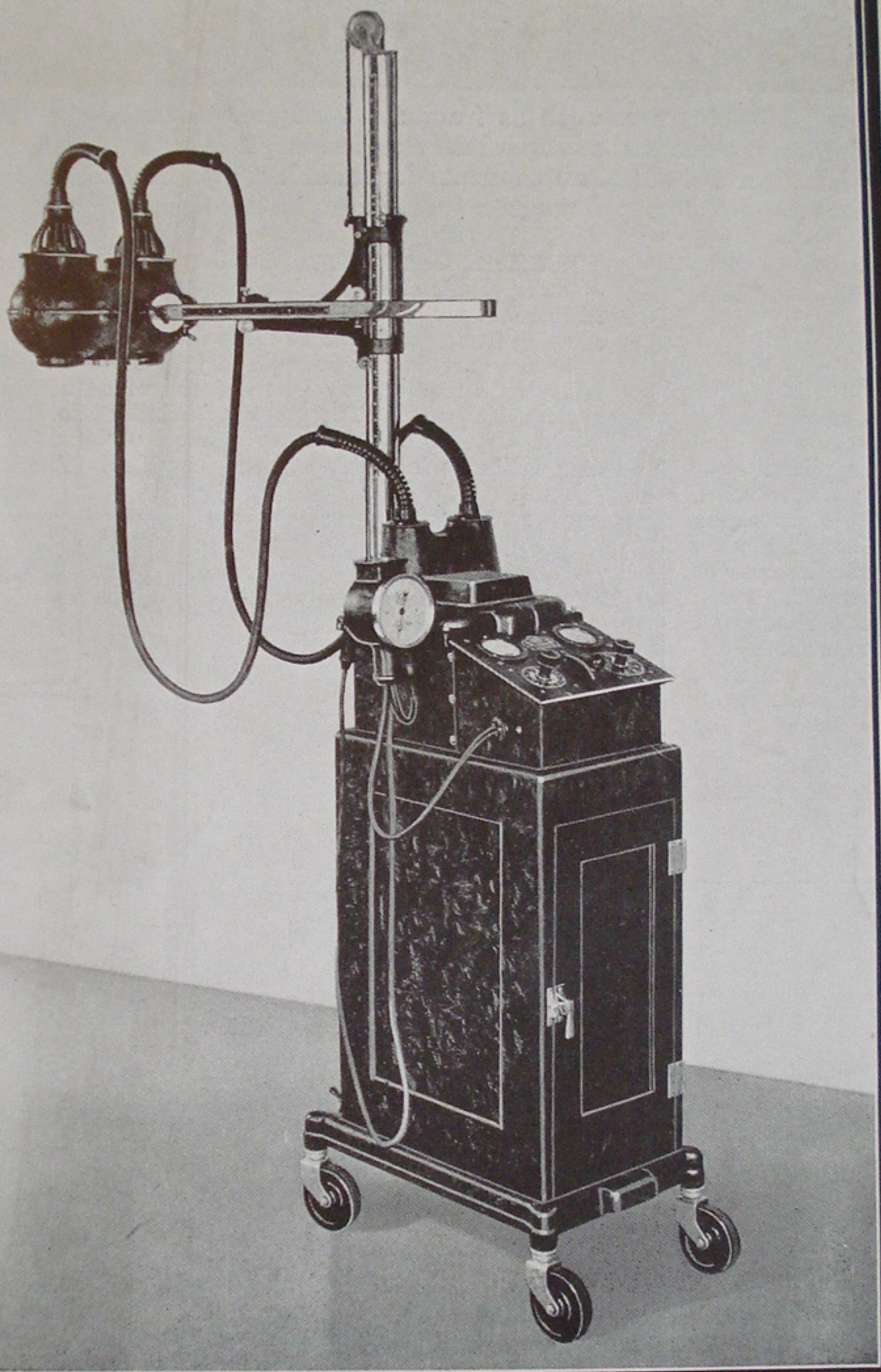


SUPERIOR IN POWER...
Delivers 20 M.A. at 67 P.K.V. on 110 Volt, 60 Cycle Line.

●

POSITIVELY SHOCKPROOF . . .
Full Protection for Both Patient and Operator.

●

COMPLETE FLEXIBILITY . . .
Recommended for Physician's Office, Hospital or Clinic.

●

ALL-DIAGNOSTIC RADIOGRAPHY . . .
Also Fluoroscopy.

●

SIMPLE TO OPERATE... VERY FINE CONTROL...
Giving Superb Diagnostic Results.

FISCHER MODEL "DSP-20"
SHOCKPROOF DIAGNOSTIC X-RAY

POWERFUL – COMPACT – SHOCKPROOF

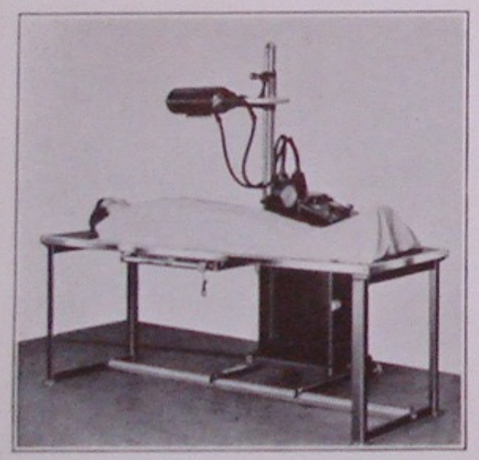
FISCHER MODEL "DSP-20" X-RAY APPARATUS

In making diagnoses — in cases such as fractures, foreign bodies, pathology of heart, lungs, stomach, colon, sinuses, treatment of superficial skin lesions, fluoroscopy and so on — how often have you wished for the aid of an efficient, dependable x-ray unit, either as a complete office equipment or as a mobile supplement to some larger installation?

A Supreme Value in Diagnosis

The diagnostic value of an x-ray apparatus in medical practice needs no comment. It is universally recognized. Both radiography and fluoroscopy have value. Heretofore the chief obstacle preventing many physicians from installing x-ray equipment has been lack of office space or possibly cost of the apparatus. This new FISCHER Model "DSP-20" Shockproof X-Ray Apparatus overcomes both difficulties. The unit is amply powerful, efficient and dependable, and the necessary investment within the means of any physician.

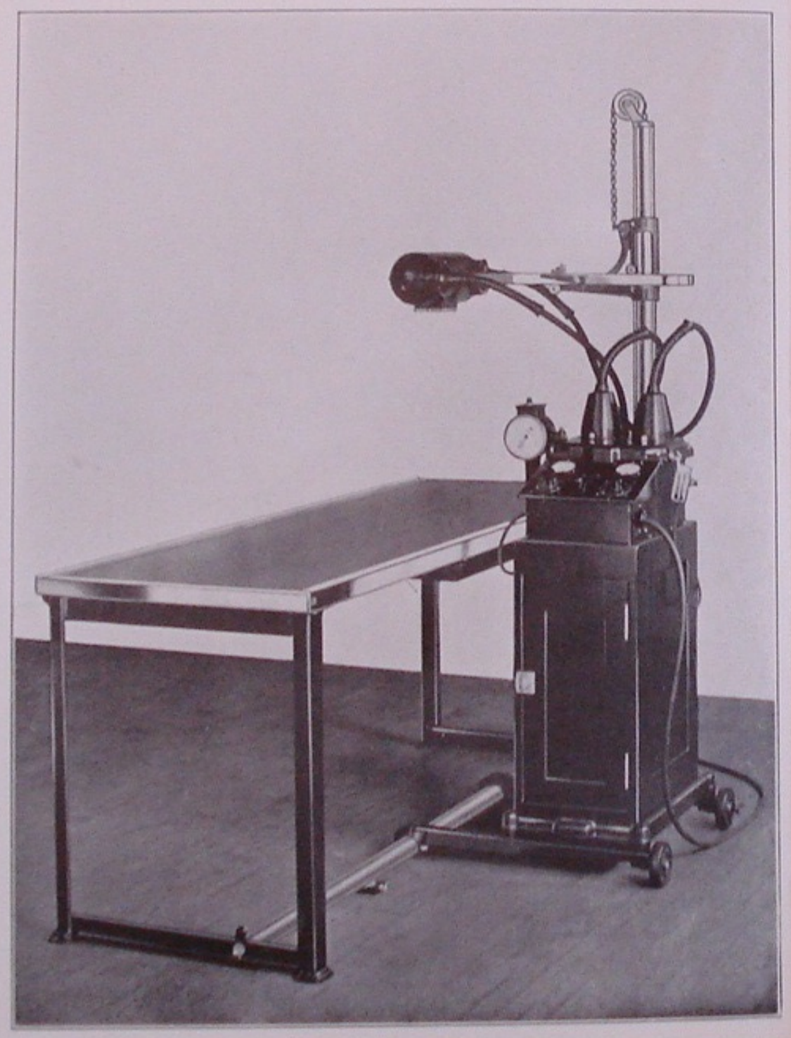
FISCHER Model "DSP-20" not only is claimed to be, and is, an all-diagnostic radiographic apparatus, but in speed of exposure and detail and contrast of radiographs produced it gives marvelous performance. A superb chest radiograph showing finest detail, can be made in 1/5 second. This result speaks for itself. A knee or shoulder radiograph may be made in ½ second. Stomach or colon radiographs require only ½ to ¾ seconds. These figures are accurate for an average-size patient. The greatest flexibility also is provided in this unit. The tubehead readily adjusts to any required position and locks fast. An aluminum filter is always in position in the x-ray field. A special holder is provided to accommodate compression cones. When table and Bucky are included, FISCHER Model "DSP-20" is mounted on a special carriage that provides easy movement the full length of the table. Fluoroscopy is also available in either vertical or horizontal positions, using a hand or operating fluoroscope.



FISCHER MODEL "DSP-20" IN ARRANGEMENT WITH TABLE

Large view (right) shows FISCHER Model "DSP-20" with table. This is a full (78") length table with Bucky diaphragm. Tube moves horizontally full length of table, vertically to top of upright (56" above table) and in and out full width of table. Locks firmly in any required position. Tubehead lowers under table for fluoroscopy.

In the small illustration above, tubehead can be raised to required position — timer and controls handy and visible. No competitive unit permits a flexibility or results exceeding FISCHER Model "DSP-20".



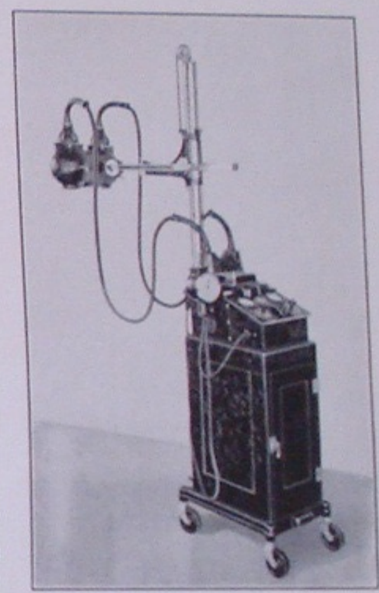
Here is a new unit — surprisingly powerful and shockproof — that will answer virtually every radiographic and fluoroscopic need — compact enough for even the smallest office and at a remarkably low cost. This unit is outstanding in its field — superior in power, flexibility, and durability. Available with or without a table and Synchrotimed Bucky diaphragm.

★ ★ ★

Positively Shockproof for Both Patient and Operator When properly grounded, FISCHER Model "DSP-20" is positively shockproof — safe for both patient and operator. The insulation is sufficient to withstand voltages far beyond anything that can ever develop in use. The high-tension cables are metal protected to prevent damage to the insulation and to assure long service without annoyance or trouble. They are so mounted that they are always out of the way. Another feature is the almost noiseless operation of the unit.

Recommended as Original Installation or as Supplementary Unit This unit provides for every demand of mobility. It may be had as a mobile unit without table, or mounted with table (in relatively fixed position and on a special ball-bearing carriage). Either arrangement, depending on needs, will prove wholly satisfactory. In many instances, this model is used as an original installation; at other times it is installed as a supplementary, mobile unit to a large fixed installation. The various arrangements are illustrated on this page. The flexibility of this unit is such that any position desired for radiography or fluoroscopy may be readily established and firmly locked. The tubehead, with lead-lined cabinet mounting, may be extended approximately 70" above floor, or lowered under table as desired.

Superior Power — Delivers 20 M.A. at 67 P.K.V. FISCHER Model "DSP-20" will deliver 20 M.A. at 67 P.K.V. — and operates on a 110 volt, 60 cycle line. It can be plugged into the regular wall outlet. For purposes of comparison with competing units, FISCHER Model "DSP-20" has much greater speed on exposures. The value of this feature in producing contrast and detail in radiographs is obvious.



FISCHER MODEL "DSP-20" AS MOBILE UNIT

Above illustration shows FISCHER Model "DSP-20" as mobile unit, mounted on free-rolling casters. These casters have composition tires to protect fine floors. The large cabinet is lead-lined and provides ample space for storing all sizes of films up to and including 14"x17" size. The tubehead is accurately counterbalanced and is fully flexible. It locks fast in any required position. The finish shown on this unit is black Kristokrak with metal parts in chromium. Compactness and stability are marked features of this apparatus.

Interested physicians, hospitals, or clinics are invited to give very careful consideration to the illustrations shown herewith and to the list of features of construction and operation on back page. Special attention is called to the figures, given below, showing typical FISCHER Model "DSP-20" performance. Read carefully the list of features of construction and operation given on back page.

Table Showing Typical Model "DSP-20" Performance

The following figures are accurate and accurately measure the performance of FISCHER Model "DSP-20." They are for average patient. A complete performance or EXPOSURE chart is shipped with each unit. If anything, Model "DSP-20" exceeds the chart rather than falls short in performance.

PART	TIME	PART	TIME
Wrist	2/10 sec.	Lat. Head	1 sec.
Ankle	3/10 sec.	A. P. Head	2 sec.
Knee	5/10 sec	Hip	1 sec.
Shoulder	5/10 sec.	Stomach	5/10 sec.
Chest	2/10 sec.	Colon	8/10 sec.
Spine	8/10 sec.	Dental	1 sec.

FLUOROSCOPY OF EXTREMITIES

Above illustration shows use of FISCHER Model "DSP-20" in fluoroscopy. With a hand or operating fluoroscope, excellent results are possible. Tubehead turns readily into position for either vertical or horizontal fluoroscopy.

Outstanding Features of CONSTRUCTION *and* OPERATION

The following points of construction and operation of the FISCHER MODEL "DSP-20" Diagnostic, Shockproof, X-Ray Apparatus show its unquestioned superiority in its field.

1. Positively Shockproof . . .

Model "DSP-20," when properly grounded, is positively shockproof for both patient and operator. Any part of the mechanism, tube-head, cables, transformers, control box, and so on, may be handled or touched without shock or sensation of electrical discharge. The unit is absolutely safe.

2. Mobile or With Table as Desired . . .

Mounted on cabinet base, Model "DSP-20" is fully mobile. Arrangements with FISCHER Roentgenographic Table available when desired.

3. All-Diagnostic Radiographic Positions . . .

FISCHER Model "DSP-20" is truly a marvel in power and efficiency. All radiographic positions are provided, also fluoroscopy. Changes from one position to another can be made easily and almost instantly without tools.

4. Superior in Power . . .

Mobile units usually deliver only 10 M.A. at 53 to 57 P.K.V. Model "DSP-20" delivers 20 M.A. at 67 P.K.V. This means greater speed on exposure. The maximum kilovoltage is 67.5.

5. Extraordinary Fine Control . . .

Without dependable and fine control, good radiographs are impossible. Also repetition of results. In FISCHER Model "DSP-20," both milliamperage and kilovoltage are under very fine control, the two meters are accurately calibrated to give exact readings of performance.

6. Small Installation Space Needed . . .

The compactness of construction of FISCHER Model "DSP-20" is remarkable. One can say it is usable anywhere. When not in use the mobile arrangement can be pushed into a corner or closet. Arrangements with table are also very compact.

7. Very Simple to Operate . . .

With every FISCHER Model "DSP-20" is provided an exposure chart covering all factors of good radiography. You can follow this chart with uniformly the best results. Complete instructions are shipped with every machine. Installations made by factory-trained FISCHER dealer representatives.

8. Produces Unexcelled Results . . .

Because of its exceptionally fine control, its great power, its accurate timing, and dependable performance, results produced by FISCHER Model "DSP-20" are unexcelled by any competing apparatus. With modern films and high speed intensifying screens, this unit, for all-diagnostic purposes, will give every result desired.

9. Highest Quality Materials Used . . .

Only the finest materials obtainable are used in FISCHER Model "DSP-20." It is not a cheap machine, built to sell at a price, but a unit guaranteed to deliver every service claimed. Working parts, such as tube, meters, transformer, timer, and so on, will give dependable, satisfactory service.

10. FISCHER Hot Cathode Tube . . .

This is the latest-type, fine focus, hot cathode x-ray tube, body of leaded glass with only small aperture for x-ray exit. Tube enclosed in strong, well ventilated metal shell. Tube-head swivels, moves both vertically and horizontally and can revolve in complete circle.

11. FISCHER Electro-Synchrotimer . . .

Driven by an electrical, synchronous motor, and works accurately in 1/10 second divisions, up to 15 seconds. Has remote control switch. Times exposures with Bucky just as accurately as without. Oil immersed reduction gearing guarantees long life. Has triple settings—for use as test-switch only, or in connection with Bucky, or for exposures without Bucky.

12. Cables Metal Enclosed . . .

These cables are flexible, absolutely safe, mounted so as to be cut of the way, and tested beyond any possible voltage overload in use. A woven-metal covering, enclosed in black mercerized sheathing, protects them from damage. They permit free tube-head movement. Metallic supports at cable ends prevents kinking and wear.

13. High Voltage Transformer . . .

Constructed with a liberal allowance of both core laminations and copper cross section to provide stable operation at high efficiency, under all load conditions.

14. Locks in Any Position . . .

Positive locks are provided to hold any position desired in x-ray unit setting—vertical, lateral and swiveling. Unit also locks fast to floor rail when used with table mounting.

15. Attractive Finish . . .

The standard finish is black Kristokrak and chromium, giving a general appearance very attractive and enduring. Chromium and cream ivory finish optional.

16. Lead-Lined Cabinet . . .

In all arrangements of FISCHER Model "DSP-20", a lead-lined cabinet is provided for storing all sizes of films and cassettes up to and including 14"x17" size. The utility of this feature is obvious.

17. Low Price — Convenient Terms . . .

FISCHER Model "DSP-20," as illustrated and described in this folder, is priced remarkably low. Considering power and quality, it is outstanding in its field.

Cat. No.		Code	Price
3644AB	FISCHER Model "DSP-20" mounted on lead-lined cabinet with iron base, long upright, casters, X-Ray Tube and Electro-Synchrotimer	HERBA	$700.00
3647AB	FISCHER Model "DSP-20" mounted on lead-lined cabinet with iron base, long upright, carriages to ride on support under Roentgenographic Table, X-Ray Tube and Electro-Synchrotimer	HERNI	715.00
3532	FISCHER Roentgenographic Table, as illustrated	OIKOI	120.00
3535	FISCHER Roentgenographic Table and Synchrotimed Bucky	ODSPO	370.00

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